

IN THE CLAIMS:

Please amend the claims in the above-identified patent application as follows wherein deleted material is marked with a ~~strike through~~ and new material is underlined to show the changes made:

1                   1. **(Twice amended)** A camera subassembly, said camera subassembly  
2 comprising:  
3           a housing having a first opening through which light can enter into the housing,  
4           and a second opposing opening;  
5           a substrate, said substrate closing said second opening;  
6           a window which closes the first opening, the housing and the window being  
7           formed so that, when the housing is mounted to the substrate so that the  
8           substrate closes the second opening, the housing, and the substrate form an  
9           enclosure which is substantially sealed against ingress of contaminants;  
1 0           a first lens located within the enclosure;  
1 1           at least a first elongated member, ~~said first elongated member having a first end~~  
1 2           coupled to said housing and a second end coupled to said first lens such which  
1 3           ~~mounts the first lens to the housing~~ so that the first lens is moveable relative to  
1 4           the housing backward and forward in a direction in which light passes from  
1 5           the first opening through the housing to the second opening; and  
1 6           an electrically controlled movement importing apparatus in said housing, said  
1 7           electrically controlled movement importing apparatus at least partially secured  
1 8           to the housing and at least partially secured to the lens, said electrically  
1 9           controlled movement importing apparatus which, when operated at time of

2 0            camera subassembly operation, causes backward and forward movement of  
2 1            the lens in the direction in which light passes through the housing.

1                    2. **(Unchanged)**        The camera subassembly as claimed in claim 1  
2            wherein the position of the first and second openings relative to one another cannot be  
3            changed.

1                    3. **(Unchanged)**        The camera subassembly as claimed in claim 1  
2            wherein the window comprises a refractory lens.

1                    4. **(Twice amended)**    The camera subassembly as claimed in claim 1  
2            wherein said substrate closing said second opening comprises:  
3                    a printed circuit substrate to which the housing is mounted so that the printed  
4                    circuit substrate closes the second opening such that the housing, the window  
5                    and the printed circuit substrate forming an enclosure which is substantially  
6                    sealed against the ingress of contaminants; and  
7                    an imager mounted within the enclosure to the printed circuit substrate in a  
8                    position so that light is focused on the imager after passing through the  
9                    window and the lens.

1                   5. **(Unchanged)**       The camera subassembly as claimed in claim 4  
2 further comprising:  
3                   a connector on the printed circuit substrate at a location external to the enclosure,  
4                   the connector being within electrical communication with the imager. .

1                   6. **(Unchanged)**       The camera subassembly as claimed in claim 5  
2 wherein the connector has terminals through which at least power and control signals can  
3 be supplied to and image data can be communicated with the imager.

1                   7. **(Unchanged)**       The camera subassembly as claimed in claim 4  
2 wherein the imager comprises a light detector array.

1                   8. **(Cancelled)**       The camera subassembly as claimed in claim 1  
2 wherein the first member comprises an elongated member having a first end connected to  
3 the housing and a second end connected to the lens.

1                   9. **(Twice amended)** The camera subassembly as claimed in claim 1 8  
2 wherein the elongated member coils around an axis which extends in the direction in  
3 which light passes through the housing.

1                   10. **(Unchanged)**     The camera subassembly as claimed in claim 9  
2     wherein the elongated member coils around an axis of revolution of the lens.

1                   11. **(Twice amended)**     The camera subassembly as claimed in claim  
2     & 1, said camera subassembly further comprising:  
3             at least a second elongated member, said second elongated member having a first  
4             end connected to the housing and a second end connected to the lens.

1                   12. **(Unchanged)**     The camera subassembly as claimed in claim 11  
2     wherein the first and second elongated members each coils around an axis which extends  
3     in the direction in which light passes through the housing.

1                   13. **(Unchanged)**     The camera subassembly as claimed in claim 12  
2     wherein the first elongated member coils in a first plane and the second elongated  
3     member coils together with the first elongated member in substantially the first plane.

1                   14. **(Unchanged)**     The camera subassembly as claimed in claim 11  
2     wherein, when viewed in the direction in which light travels through the housing, the first  
3     ends of respectively the first and second elongated members are connected to the housing  
4     on opposing sides of the lens.

1                   15. **(Unchanged)**       The camera subassembly as claimed in claim 14  
2 wherein, when viewed in the direction in which light travels through the housing, the  
3 second ends of respectively the first and second elongated members are connected to the  
4 housing on opposing sides of the lens.

1                   16. **(Twice amended)**       The camera subassembly as claimed in claim  
2 12, said camera subassembly further comprising:

3                   a third elongated member, said third elongated member comprising

4                   a first end connected to the housing and spaced from the first end of the  
5                   first elongated member in the direction in which light travels through  
6                   the housing, and

7                   a second end connected to the lens and spaced from the second end of the  
8                   first elongated member in the direction in which light travels through  
9                   the housing,

1 0 wherein the third elongated member coils around an axis which extends in the direction  
1 1 in which light travels through the housing.

1                   17. **(Twice amended)**       The camera subassembly as claimed in claim  
2 16, said camera subassembly further comprising:

3                   at least one stiffener element which is connected between the first elongated  
4                   member and the third elongated member.

1                   18. (**Twice amended**)       The camera subassembly as claimed in claim  
2    16, said camera subassembly further comprising:

3                   a fourth elongated member, said fourth elongated member comprising

4                   a first end connected to the housing and spaced from the first end of the

5                   second elongated member in the direction in which light travels

6                   through the housing, and

7                   a second end connected to the lens and spaced from the second end of the

8                   second elongated member in the direction in which light travels

9                   through the housing,

1 0               wherein the fourth elongated member coils around an axis which extends in the direction

1 1               in which light travels through the housing.

1                   19. (**Unchanged**)       The camera subassembly as claimed in claim 11  
2                wherein the first end of the second elongated member is spaced from the first end of the  
3                second elongated member in the direction in which light passes through the housing, and  
4                the second end of the first elongated member is spaced from the second end of the second  
5                elongated member in the direction in which light passes through the housing.

1                   20. (**Twice amended**)       The camera subassembly as claimed in claim  
2    1, said camera subassembly further comprising:

3                   a mounting structure within the enclosure,

4 wherein the first member is mounted to the mounting structure and the lens is mounted to  
5 the mounting structure so that the lens is connected to the first member via the mounting  
6 structure.

1                   21. **(Twice amended)**       The camera subassembly as claimed in claim  
2 20, said camera subassembly further comprising:  
3                   at least an additional lens mounted to the mounting structure, the lenses being  
4                   moveable together with the mounting structure relative to the housing..

1                   22. **(Unchanged)**       The camera subassembly as claimed in claim 21  
2 wherein all the lenses through which the light passes between the first and second  
3 opening are mounted to the mounting structure.

1                   23. **(Unchanged)**       The camera subassembly as claimed in claim 21  
2 wherein only some of the lenses through which the light passes between the first and  
3 second opening are mounted to the mounting structure.

1                   24. **(Unchanged)**       The camera subassembly as claimed in claim 1  
2 wherein the electrically controlled movement imparting apparatus comprises a first  
3 electrical coil which causes movement of the lens relative to the housing when energized.

1                   25. **(Unchanged)**     The camera subassembly as claimed in claim 24  
2     wherein the first electrical coil is located within the enclosure.

1                   26. **(Unchanged)**     The camera subassembly as claimed in claim 25  
2     wherein the first electrical coil is connected to the lens.

1                   27. **(Unchanged)**     The camera subassembly as claimed in claim 25  
2     wherein the first member is at least partially conductive and the first electrical coil is  
3     electrically accessed through the first member.

1                   28. **(Unchanged)**     The camera subassembly as claimed in claim 26  
2     wherein movement imparting apparatus includes a permanent magnet mounted to the  
3     housing, which cooperates with the first electric coil to cause movement of the first  
4     electric coil relative to the permanent magnet when the first electrical coil is energized.

1                   29. **(Twice amended)** A camera subassembly, said camera subassembly  
2     comprising:  
3         a housing;  
4         a lens located with the housing; and



5 at least a first elongated member having a first end secured to the housing and a  
6 second end secured to the lens so as to mount the lens to the housing, and an  
7 elongated section between the first and second ends to allow for backwards  
8 and forward movement of the lens relative to the housing in a direction of an  
9 axis of revolution of the lens, -

1 0 wherein the first elongated member has a thickness in a direction of the axis of  
1 1 revolution, and a width in a direction transverse to the axis of revolution, the width being  
1 2 more than the thickness

1 30. **(Unchanged)** The camera subassembly as claimed in claim 29  
2 wherein at least the first member allows for movement of the lens in the direction of the  
3 axis of revolution only.

1 31. **(Previously Cancelled)**

1 32. **(Unchanged)** The camera subassembly as claimed in claim 30  
2 wherein the first elongated member coils around the axis of revolution.

1 33. **(Twice amended)** The camera subassembly as claimed in claim  
2 29 ~~34~~ wherein the first elongated member coils around the axis of revolution.

1                    34. **(Twice amended)**            The camera subassembly as claimed in claim  
2    29, said camera subassembly further comprising:  
3                    a second elongated member, said second elongated member comprising  
4                    a first end connected to the housing and  
5                    a second end connected to the lens,  
6    wherein the first ends of the first and second elongated member are spaced from one  
7    another in a direction in which the axis of revolution extends, and the second ends of the  
8    first and second elongated member are spaced from one another in a direction in which  
9    the axis of revolution extends.

1                    35. **(Twice amended)**            A method of assembling a camera  
2    subassembly, said method comprising:  
3                    mounting a first lens within an enclosure using a flexible member which allows  
4                    for backwards and forward movement of the lens relative to the housing, said  
5                    housing having a first and a second opening, said housing having a second  
6                    lens fixed to said housing;  
7                    mounting a window to the first opening of the housing; and  
8                    mounting a substrate to the second opening of the housing, the substrate and a  
9                    window jointly define an enclosure which is substantially sealed against  
1 0                  ingress of contamination;  
1 1    wherein movement of the first lens relative to said second lens ~~mounted within the~~  
1 2    ~~enclosure~~ is controllable with an externally applied electrical signal at operation time of  
1 3    said camera subassembly.

1                    36. (Twice amended)            A method of assembling a camera  
2 subassembly, said method comprising:  
3            closing an opening into a housing containing a first lens fixed to said housing with  
4            a window;  
5            locating a second lens within the housing; and  
6            interconnecting the second lens with the housing by at least a first flexible  
7            member which, due to its flexibility, allows for backward and forward  
8            movement of a the second lens relative to the housing and first lens along a  
9            direction in which light travels through the housing;  
1 0           wherein the flexible member coils around an axis which extends in the direction in which  
1 1           light passes through the housing lens.